

PAP2c Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54207**Specification**

PAP2c Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	O43688
Reactivity	Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32574

PAP2c Polyclonal Antibody - Additional Information**Gene ID** 8612**Other Names**

Phospholipid phosphatase 2, 3.1.3.-, 3.1.3.4, Lipid phosphate phosphohydrolase 2, PAP2-gamma, PAP2-G, Phosphatidate phosphohydrolase type 2c, Phosphatidic acid phosphatase 2c, PAP-2c, PAP2c, PLPP2 (http://www.genenames.org/cgi-bin/gene_symbol_report?hgnc_id=9230 target="_blank">HGNC:9230)

Dilution

IHC-P~~N/A
IHC-F~~N/A
IF~~1:50~200
E~~N/A

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PAP2c Polyclonal Antibody - Protein Information**Name** PLPP2 ([HGNC:9230](#))**Function**

Magnesium-independent phospholipid phosphatase that catalyzes the dephosphorylation of a variety of glycerolipid and sphingolipid phosphate esters including phosphatidate/PA, lysophosphatidate/LPA, sphingosine 1-phosphate/S1P and ceramide 1-phosphate/C1P (PubMed:[16467304](http://www.uniprot.org/citations/16467304), PubMed:[9607309](http://www.uniprot.org/citations/9607309), PubMed:[9705349](http://www.uniprot.org/citations/9705349)). Has no apparent extracellular phosphatase activity and therefore most probably acts intracellularly (PubMed:[16467304](http://www.uniprot.org/citations/16467304)).

Also acts on N-oleoyl ethanolamine phosphate/N-(9Z-octadecenoyl)-ethanolamine phosphate, a potential physiological compound (PubMed:9607309). Through dephosphorylation of these bioactive lipid mediators produces new bioactive compounds and may regulate signal transduction in different cellular processes (Probable). Indirectly regulates, for instance, cell cycle G1/S phase transition through its phospholipid phosphatase activity (By similarity).

Cellular Location

Membrane; Multi-pass membrane protein Cell membrane; Multi-pass membrane protein Early endosome membrane; Multi-pass membrane protein. Endoplasmic reticulum membrane; Multi-pass membrane protein

Tissue Location

Found mainly in brain, pancreas and placenta.

PAP2c Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PAP2c Polyclonal Antibody - Images